

GeometryQuiz04: Triangles

Author : Mathematics Department

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Question 1

Find the area of an equilateral triangle with a side length of 10 cm.

Question 2

In a right triangle, one leg measures 6 cm and the hypotenuse measures 10 cm. Find the length of the other leg.

Question 3

Calculate the perimeter of an isosceles triangle with base 8 cm and each side 10 cm.

Question 4

A triangle has sides of lengths 5 cm, 12 cm, and 13 cm. Determine if it is a right triangle.

Question 5

Find the altitude of an equilateral triangle with side length 8 cm.

Question 6

The sides of a triangle are in the ratio 3:4:5. If the perimeter is 36 cm, find the length of each side.

Question 7

In a triangle, the lengths of two sides are 7 cm and 10 cm. If the angle between them is 45° , find the area of the triangle.

Question 8

If two angles in a triangle measure 45° and 85° , find the measure of the third angle.

Question 9

A triangle has angles in the ratio 2:3:4. Find the measure of each angle.

Question 10

If the area of a triangle is 30 cm^2 and its base is 10 cm, find the height.